

## Spring Student Science Competitions

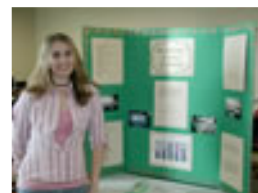
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### NC Science Fair

The 2005 Science Fair was a great success with astounding turnout. Photos and a list of winners are now available online at [www.ncsta.org/sciencefair/](http://www.ncsta.org/sciencefair/). Special congratulations to those students selected represent the State Science Fair of North Carolina at the International Science and Engineering Fair in Phoenix, AZ on May 8-13, 2005. Approximately 1300 students from 40 countries will be attending.



Representing the 2004 State Science Fair of North Carolina:

- Grease It Up!; Amber Bullard, Purnell Swett High School, Pembroke
- Global Warming: Effects of Rising Temperature; Ryan R. Neely; North Carolina School of Science and Math, Durham

Representing the 2005 State Science Fair of North Carolina:



- The Cytotoxic Effects of Frankincense in Malignant Glioblastoma; Carrie Elizabeth Shaw; Career Center, Mt Tabor High School; Winston-Salem
- Does Copper Plus Aluminum Foil Equal Antigravity?; Joshua J. McCoy; JC Learning Center, Wilson
- Harvesting Electrons from E. Coli; Courtney H. Fox, May Liu, and Quinn Morris; North Carolina School of Science and Math; Durham
- 1st Alternate - Mosquito Control Using Alternative Chemical Attractants; Zachary Carico, Alleghany High School, Alleghany
- 2nd Alternate - Dispersion Synthesis and Solubilization of Carbon Nanotubes; Claire Reddy; NC School Science and Math, Durham

### Science Olympiad

The North Carolina State Science Olympiad Tournament was conducted at North Carolina State University on Saturday, April 16th. The event was so large that the events covered much of the main campus as well as the College of Textiles. About 2,000 students from across the state competed in 46 different science challenges. All participants had qualified at Regional Science Olympiads that were held in February and March. This year, North Carolina still maintained its high participation ranking the country by having 384 teams participate.

Philip Dail stepped down as the State Director of the Science Olympiad after many years of service as a

coach, Regional Director, and State Director. We would like to thank Phil for his many years of hard work, shared wisdom, and caring ways that were dedicated to helping the science students of North Carolina. The new State Science Olympiad Director will be Jason Painter, Assistant Director of the Mathematics and Science Education Center at UNC-CH. Mr. Dail will advise Jason as he plans the tournament to be held at NC State University on April 7-8, 2006.

The Website for the NC State Science Olympiad is the best source to use to find out more about the Science Olympiad. The address is: [www.tx.ncsu.edu/science\\_olympiad/](http://www.tx.ncsu.edu/science_olympiad/)

We congratulate the school winners for this year. The top two teams in each division will be competing at the National Science Olympiad, which will be held on the campus of the University of Illinois (home of the number two men's NCAA basketball team) on May 20-21. We hope that our North Carolina students will bring home many Science Olympiad medals.

#### 2005 North Carolina State Science Olympiad Tournament Finals School Results

<i>Place</i>	<i>Middle School</i>	<i>High School</i>
1	Davidson IB MS	Washington HS
2	Jay Robinson MS	Raleigh Charter HS
3	Arendell Parrott Academy	North Mecklenburg HS
4	Seventy-First Classical MS	NC School of Science & Math
5	Pine Forest MS	East Chapel Hill HS
6	Polk Central MS	Northwest Guilford HS
7	Paisley IB Magnet	John T. Hoggard HS
8	Fred Carnage GT Magnet MS	Terry Sanford HS
9	Elm City MS	Durham Academy Upper School
10	Princeton School	Enloe Magnet HS

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#### **Student Academy of Sciences**

The NC Student Academy of Science is an organization of school science clubs and individuals that encourages scientific study and investigation by middle and high school students. Its objectives are:

1. To promote and encourage the study of science and mathematics,
2. To identify and encourage students with an interest and aptitude in science, technology, and mathematics,
3. To assist in the development of students' scientific ability,
4. To facilitate students use of their knowledge and abilities for the improvement of themselves, their schools, and their communities, and
5. To encourage the adoption of ethical and humanitarian attitudes.

In recognition of the importance of investigative activities in science education, the current standard course of study for the State of North Carolina includes inquiry as a major focus area. Having students prepare a science project on a topic of interest to them is the perfect way to fulfill this requirement as well as to inspire students to discover something new. NCSAS provides opportunities for students who are doing investigative projects in the areas of science, mathematics, engineering, or technology to present their research to a group of their peers and professional researchers. Students submit papers, present oral presentations before experts in their field of the research, and get feedback on their work. They also compete for awards including trips to scientific

meetings.

During the 2004 Annual Meeting and State Competition, NCSAS hosted 71 students giving presentations of 58 research projects. Middle school and high school students who are doing research projects are invited to participat

To receive more information on joining the Student Academy, students and teachers can check out the website at [www.ncsas.org](http://www.ncsas.org) or email [warshaw@ncssm.edu](mailto:warshaw@ncssm.edu).

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